

**PERBEDAAN RERATA SERUM *CELL FREE FETAL*
DNA ANTARA PREEKLAMPSIA AWITAN DINI
DENGAN KEHAMILAN NORMAL**

TESIS



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ABSTRAK

PERBEDAAN RERATA SERUM CELL FREE FETAL DNA ANTARA PREEKLAMPSIA AWITAN DINI DENGAN KEHAMILAN NORMAL

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Tujuan : Mengetahui perbedaan rerata serum Cell Free Fetal DNA antara preeklampsia awitan dini dengan kehamilan normal.

Metode : Penelitian ini merupakan penelitian bersifat observasional analitik dengan menggunakan desain ***cross sectional comparative*** di IGD dan Poliklinik RSUP Dr. M. Djamil Padang sejak bulan Juli-November 2016. Didapatkan sampel penelitian sebanyak 20 orang kelompok preeklampsia awitan dini dan 20 orang kelompok kehamilan normal yang memenuhi kriteria inklusi dan eksklusi. Pemeriksaan RT-PCR dengan qMSP U-PDE9A. Analisis data dilakukan secara univariat dan bivariat dengan menggunakan uji T independent.

Hasil: Diperoleh hasil uji statistik didapatkan nilai $p=0,000$ ($p \text{ value} < 0,05$) maka dapat disimpulkan terdapat perbedaan kadar serum *cell free fetal DNA* pada kehamilan preeklampsia awitan dini dan normal. Didapatkan rerata kadar serum *cell free fetal DNA* pada kehamilan preeklampsia awitan dini yaitu 252,9 copies/mL dengan standar deviasi 43,5 copies/mL, sedangkan rerata kadar serum *cell free fetal DNA* pada kehamilan normal yaitu 77,3 copies/mL dengan standar deviasi 18,9 copies/mL.

Kesimpulan : Terdapat perbedaan kadar serum *cell free fetal DNA* pada kehamilan preeklampsia awitan dini dan normal.

Kata Kunci : preeklampsia awitan dini, *cell free fetal DNA*, RT-PCR, qMSP U-PDE9A

ABSTRACT

THE DEVIATION MEAN DIFFERENCE OF CELL FREE FETAL DNA SERUM OF EARLY ONSET PREECLAMPSIA AND NORMAL PREGNANCY

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Objective: To know the differences between the mean Cell Free Fetal DNA serum between early-onset preeclampsia with normal pregnancies.

Methods: This study is a diagnostic approach with cross sectional study in the childbirth room of Solok District Hospital which is one of the Satellite Hospital Department of Obstetrics and Gynecology, Faculty of Medicine, Andalas University since March to April 2016. The number of samples are 100 people who meet the inclusion and exclusion criteria. The estimated fetal weight with measurement formula Dare, Risanto, Johnson Toschach and fetall weight. Data analysis was using univariate and bivariate by dependent T test and Receiver Operating Curve Analysis (ROC).

Results: This research was observational analytic ersifat using comparative cross-sectional design in the ER and Polyclinic Hospital Dr. M. Djamil Padang since July to November 2016. Obtained samples are 20 groups of early onset preeclampsia and 20 normal pregnancy group of people who meet the inclusion and exclusion criteria. Examination of the RT-PCR with qMSP U-PDE9A. Data analysis was performed using univariate and bivariate using independent T test.

Conclusion : There are differences in serums level of *cell free fetal DNA* in early-onset preeclampsia and normal pregnancies.

Keywords : early-onset preeclampsia, *cell free fetal DNA*, RT-PCR, qMSP U-PDE9A